



# results of BLAST

## BLASTN 2.2.10 [Oct-19-2004]

### Reference:

Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schäffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

RID: 1099000290-7310-211844646693.BLASTQ4

### Query=

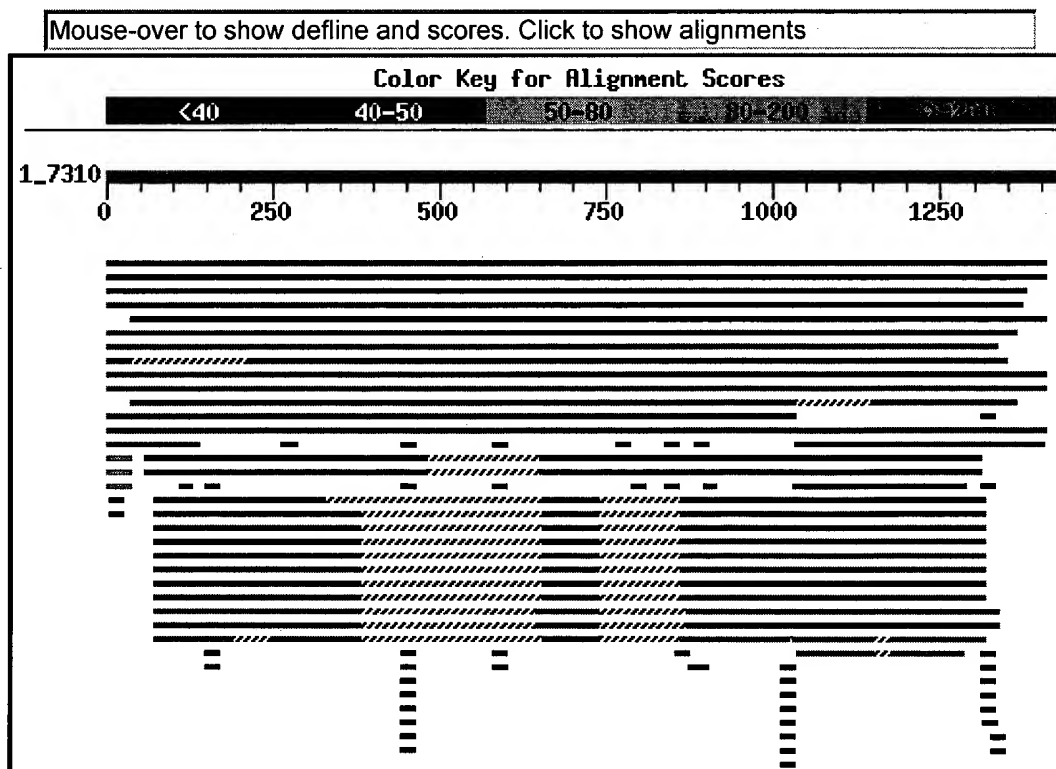
(1429 letters)

**Database:** All GenBank+EMBL+DDBJ+PDB sequences (but no EST, STS, GSS, environmental samples or phase 0, 1 or 2 HTGS sequences)  
2,662,363 sequences; 12,059,721,380 total letters

If you have any problems or questions with the results of this search please refer to the [BLAST FAQs](#)

[Taxonomy reports](#)

## Distribution of 122 Blast Hits on the Query Sequence



Sequences producing significant alignments:			Score	E	
			(bits)	Value	
gi 46403042 ref NM_001571.2	Homo sapiens interferon regula...	2757	0.0	GU	
gi 1107688 emb Z56281.1 HSIRF3MR	H.sapiens mRNA for interfe...	2757	0.0	GUE	
gi 50496727 emb CR615920.1	full-length cDNA clone CS0DC025...	2700	0.0	U	
gi 50493868 emb CR613061.1	full-length cDNA clone CS0DL002...	2690	0.0	U	
gi 47940513 gb BC071721.1	Homo sapiens interferon regulato...	2686	0.0	GU	
gi 50505771 emb CR624964.1	full-length cDNA clone CS0DL003...	2672	0.0	U	
gi 50477048 emb CR596241.1	full-length cDNA clone CS0DJ012...	2611	0.0	U	
gi 50488926 emb CR608119.1	full-length cDNA clone CS0DI058...	2252	0.0	U	
gi 33874467 gb BC009395.2	Homo sapiens interferon regulato...	2010	0.0	GUE	
gi 33875713 gb BC000660.2	Homo sapiens interferon regulato...	2010	0.0	GU	
gi 50471704 emb CR590897.1	full-length cDNA clone CS0DF028...	1939	0.0	U	
gi 16553325 dbj AK057577.1	Homo sapiens cDNA FLJ33015 fis,...	1931	0.0	GU	
gi 21747443 gb AC011495.8	Homo sapiens chromosome 19 clone...	759	0.0		
gi 50494747 emb CR613940.1	full-length cDNA clone CS0CAP00...	745	0.0	U	
gi 47523299 ref NM_213770.1	Sus scrofa interferon regulato...	529	e-147	GU	
gi 40363626 dbj AB116563.1	Sus scrofa irf3 mRNA for interf...	529	e-147	GU	
gi 2149470 gb U86636.1 HSU86636	Homo sapiens interferon reg...	283	6e-73	GE	
gi 51895979 gb BC082274.1	Mus musculus interferon regulato...	262	2e-66	GU	
gi 14707709 gb BC003233.1	Mus musculus interferon regulato...	262	2e-66	GU	
gi 23958540 gb BC023244.1	Mus musculus interferon regulato...	254	5e-64	GU	
gi 31980862 ref NM_016849.2	Mus musculus interferon regula...	254	5e-64	GUE	
gi 29747995 gb BC050882.1	Mus musculus interferon regulato...	254	5e-64	GU	
gi 1658534 gb U75840.1 MMU75840	Mus musculus interferon reg...	254	5e-64	GU	
gi 1658532 gb U75839.1 MMU75839	Mus musculus interferon reg...	254	5e-64	GUE	
gi 12851521 dbj AK013944.1	Mus musculus 13 days embryo hea...	254	5e-64	GUE	
gi 53733560 gb BC083776.1	Rattus norvegicus interferon reg...	230	7e-57		
gi 34856054 ref XM_214921.2	Rattus norvegicus similar to i...	230	7e-57	GU	
gi 4160492 gb AF112181.1 AF112181	Homo sapiens interferon r...	170	6e-39	GE	
gi 29469629 gb AC126256.4	Mus musculus BAC clone RP24-235B...	117	7e-23		
gi 2674204 gb AF036341.1 AF036341	Mus musculus interferon r...	86	3e-13	GE	
gi 20336331 ref NM_052842.2	Homo sapiens BCL2-like 12 (pro...	78	6e-11	GUE	
gi 20336329 ref NM_138639.1	Homo sapiens BCL2-like 12 (pro...	78	6e-11	GU	
gi 11093910 gb AF289220.1 AF289220	Homo sapiens Bcl-2 relat...	78	6e-11	GE	
gi 21263337 gb AC068522.7	Homo sapiens chromosome 8, clone...	46	0.23		
gi 20340506 gb AC009927.10	Homo sapiens chromosome 8, clon...	46	0.23		
gi 19310327 gb AC106862.3	Homo sapiens BAC clone RP11-61L2...	44	0.89		
gi 18464299 gb AC099548.6	Homo sapiens BAC clone RP11-307I...	44	0.89		
gi 13443255 gb AC073264.5	Homo sapiens BAC clone RP11-298A...	44	0.89		
gi 33875634 gb BC000609.2	Homo sapiens KIAA0738 gene produ...	44	0.89	GUE	
gi 7662275 ref NM_014719.1	Homo sapiens KIAA0738 gene prod...	44	0.89	GUE	
gi 45382446 ref NM_205372.1	Gallus gallus interferon regul...	44	0.89	GU	
gi 7023017 dbj AK001640.1	Homo sapiens cDNA FLJ10778 fis, ...	44	0.89	GUE	
gi 3882196 dbj AB018281.1	Homo sapiens mRNA for KIAA0738 p...	44	0.89	GUE	
gi 52313394 emb BX890575.23	Zebrafish DNA sequence from cl...	44	0.89		

gi 14279398 gb AF268079.1 AF268079	Gallus gallus interferon...	44	0.89	G
gi 790580 gb U20338.1 GGU20338	Gallus gallus interferon reg...	44	0.89	GU
gi 32330111 gb AY251056.1	Mus musculus EFEMP1 (Efempl) mRN...	42	3.5	GU
gi 37731916 gb AY185605.1	Mus musculus EGF containing fibu...	42	3.5	GU
gi 34879641 ref XM_344273.1	Rattus norvegicus similar to E...	42	3.5	G
gi 34879607 ref XM_223725.2	Rattus norvegicus similar to E...	42	3.5	GU
gi 34102458 gb AE016914.1	Chromobacterium violaceum ATCC 1...	42	3.5	
gi 28476511 gb AE016852.1	Tropheryma whipplei str. Twist, ...	42	3.5	
gi 22122482 ref NM_146015.1	Mus musculus epidermal growth ...	42	3.5	GUE
gi 45827743 ref NM_025074.3	Homo sapiens Fraser syndrome 1...	42	3.5	GU
gi 50926069 gb BC079455.1	Rattus norvegicus cDNA clone MGC...	42	3.5	U
gi 23266357 gb AC013791.9	Homo sapiens chromosome 11, clon...	42	3.5	
gi 21410468 gb BC031184.1	Mus musculus epidermal growth fa...	42	3.5	GU
gi 34367108 emb BX647949.1 HSM808095	Homo sapiens mRNA; cDN...	42	3.5	GU
gi 34366577 emb BX647420.1 HSM807565	Homo sapiens mRNA; cDN...	42	3.5	U
gi 20279517 gb AC104808.4	Homo sapiens BAC clone RP11-636J...	42	3.5	
gi 15876774 emb AJ332356.1 HSA332356	Homo sapiens genomic s...	42	3.5	
gi 23306225 emb AL928742.3 CNS08CBF	Human chromosome 14 DNA...	42	3.5	
gi 28191473 gb AC104564.11	Homo sapiens chromosome 17, clo...	42	3.5	
gi 50949879 emb CR627393.1	Homo sapiens mRNA; cDNA DKFZp68...	42	3.5	U
gi 29421197 dbj AB040933.2	Homo sapiens mRNA for KIAA1500 ...	42	3.5	GUE
gi 6715703 gb AC007225.2 AC007225	Homo sapiens chromosome 1...	42	3.5	
gi 15451494 gb AC007419.7	Drosophila melanogaster, chromos...	42	3.5	
gi 21734227 emb AL833581.1 HSM804894	Homo sapiens mRNA; cDN...	42	3.5	GU
gi 29420379 emb AJ512501.1 HSA512501	Homo sapiens FRAS1 gen...	42	3.5	G
gi 3850601 gb AC005950.1 AC005950	Homo sapiens Chromosome 1...	42	3.5	E
gi 14578120 gb AC092239.1 AC092239	Drosophila melanogaster,...	42	3.5	
gi 22945691 gb AE003611.3	Drosophila melanogaster chromoso...	42	3.5	
gi 3347820 gb AC005333.1 AC005333	Drosophila melanogaster D...	42	3.5	
gi 21436704 emb AL611984.15	Mouse DNA sequence from clone ...	42	3.5	
gi 24743313 emb AL662876.23	Mouse DNA sequence from clone ...	42	3.5	
gi 27115949 emb AL954346.7	Mouse DNA sequence from clone R...	42	3.5	
gi 26346173 dbj AK077302.1	Mus musculus adult male xiphoid...	42	3.5	GU
gi 37674341 gb AC115741.9	Mus musculus chromosome 14, clon...	42	3.5	
gi 26088730 dbj AK041921.1	Mus musculus 3 days neonate thy...	42	3.5	U
gi 2429082 dbj D89730.1	Rattus rattus T16 mRNA, complete cds	42	3.5	E

# Alignments

Get selected sequences

Select all

Deselect all

☐ >gi|46403042|ref|NM\_001571.2| **GU** Homo sapiens interferon regulatory factor 3 (I  
Length = 1648

Score = 2757 bits (1391), Expect = 0.0  
Identities = 1404/1408 (99%), Gaps = 3/1408 (0%)  
Strand = Plus / Plus

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Query: 61 gccacggntcctgccctggctggtgtcgagctggacctgggnaacaactggagggcgt 120  
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Sbjct: 261 gccacggatcctgccctggctggtgtcgagctggacctggg---caactggagggcgt 317

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Sbjct: 318 ggcttgggtgaacaagagccgcacgcgcttccgcatcccttgaagcacggcctacggca 377

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Sbjct: 378 ggatgcacagcaggaggatttcggaatcttccaggcctgggccgaggccactggtgcata 437

Query: 241 tgttcccgggaggggataagccagacctgccaacctggaagaggaatttccgctctgcct 300  
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Sbjct: 438 tgttcccgggaggggataagccagacctgccaacctggaagaggaatttccgctctgcct 497

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Sbjct: 498 caaccgcaaagaagggttgcgttttagcagaggaccggagcaaggaccctcacgaccaca 557

Query: 361 taaaatctacgagtttgtgaactcaggagttggggacttttcccagccagacacctctcc 420  
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Query: 421 ggacaccaatggtggaggcagtacttctgatacccaggaagacattctggatgagttact 480  
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☐ >gi|1107688|emb|Z56281.1|HSIRF3MR **GUE** H.sapiens mRNA for interferon regulatory  
Length = 1407

Score = 2757 bits (1391), Expect = 0.0  
Identities = 1404/1408 (99%), Gaps = 3/1408 (0%)  
Strand = Plus / Plus

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Sbjct: 838 gctgagctgcctgggtgggggactggctctctggcgggccgggcagtggtctctgggcca 897

Query: 901 gcggctggggcactgccacacatactgggcagtgagcgaggagctgctccccaacagcgg 960  
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Sbjct: 1138 ggtcaaggttgtgccacgtgcctcagggccttggtagaaatggccgggtagggggtgc 1197

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Sbjct: 1198 ctccctccctggagaatactgtggacctgcacatttccaacagccaccactctccctcac 1257

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Sbjct: 1258 ctccgaccagtacaaggcctacctgcaggacttggtggagggcatggatttccaggggccc 1317

Query: 1321 tggggagagctgagccctcgctcctcatggtgtgcctccaacccccctgttccccaccac 1380  
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Sbjct: 1318 tggggagagctgagccctcgctcctcatggtgtgcctccaacccccctgttccccaccac 1377

Query: 1381 ctcaaccaataaaactggttcctgctatg 1408

|||||

Sbjct: 1378 ctcaaccaataaaactggttcctgctatg 1405

☐ >gi|50496727|emb|CR615920.1| ☒ full-length cDNA clone CS0DC025YB10 of Neuroblast  
25-normalized of Homo sapiens (human)  
Length = 1547

Score = 2700 bits (1362), Expect = 0.0

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Strand = Plus / Plus

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Sbjct: 232 gccacggatcctgccctggctggtgtcgagctggacctggg---caactggagggcgt 288

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Query: 181 ggatgcacagcaggaggatttcggaatcttcaggcctgggccgaggccactggtgcata 240  
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Query: 361 taaaatctacgagtttgtgaactcaggagttggggacttttccagccagacacctctcc 420  
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Query: 481 gggtaacatggtggtggccccactcccagatccgggacccccaagcctggctgtagcccc 540  
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Sbjct: 649 gggtaacatggtgttggccccactcccagatccgggacccccaaagcctggctgtagcccc 708

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☐ >gi|50493868|emb|CR613061.1| ☒ full-length cDNA clone CS0DL002YJ13 of B cells (R  
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